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TI Aerobic stabilization of organic sludges  
IN Apro, Istvan; Benedek, Pal; Czepek, Gyula; Farkas, Peter; Mucsy, Gyorgy;  
Olah, Jozsef; Torocsik, Ferenc  
PA Vizgazdalkodasi Tudomanyos Kutato Kozpont, Hung.; Keletmagyarorszagi  
Vizugyi Tervezo Vallalat  
SO Hung. Teljes, 7 pp.  
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LA Hungarian  
IC C02F003-12; C02F011-00  
CC 60-5 (Waste Treatment and Disposal)  
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	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	HU 31027	O	19840428	HU 1982-606	19820301
	HU 188572	B	19860428		
PRAI	HU 1982-606		19820301		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
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HU 31027	IC	C02F003-12IC C02F011-00
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AB Sludge is aerated in an aeration basin for 8-12 days using a conventional aeration unit. The sludge is **dewatered** after mixing with perlite or **fly ash**. Metal salts with valencies 2 and 3 (e.g., Fe<sup>2+</sup>, Ca<sup>2+</sup>, Al<sup>3+</sup>) are added and the pH is adjusted to 8.3-8.5 with lime. Washing water of equal or larger volume of the sludge is added and the treated sludge is thickened. Part of the thickened sludge is recirculated to the aeration basin and the remainder of the sludge is **dewatered**. The decanted sludge water is introduced into an activated-sludge basin.

ST aerobic stabilization org sludge

IT Perlite

RL: PROC (Process)

(additive, in wastewater-organic sludge **dewaterin**

teach dewatering sludge  
with fly ash